



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Stewart Producers

36/27S/8E Butler, KS

301 N. 27th Street
P.O. Box 546
Mt Vernon, IL 62864
ATTN: Mark Thompson

Jackson #1

Job Ticket: 63080

DST#: 1

Test Start: 2016.08.21 @ 23:36:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:56:35

Time Test Ended: 06:09:05

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 2720.00 ft (KB) To 2734.00 ft (KB) (TVD)

Reference Elevations: 1402.00 ft (KB)

Total Depth: 2734.00 ft (KB) (TVD)

1397.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6798 Inside

Press@RunDepth: 531.57 psig @ 2721.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.21

End Date:

2016.08.22

Last Calib.: 1899.12.30

Start Time: 23:36:40

End Time:

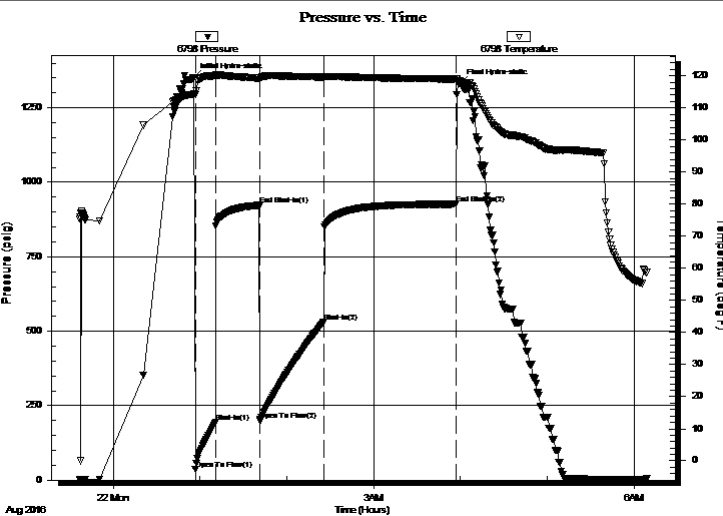
06:09:05

Time On Btm: 2016.08.22 @ 00:55:20

Time Off Btm: 2016.08.22 @ 03:59:35

TEST COMMENT: IF - Weak blow building to strong blow (bottom of bucket) 4 minutes into initial flow period.

FF - Weak blow building to strong blow 3 minutes into final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1351.91	114.22	Initial Hydro-static
2	35.35	114.11	Open To Flow (1)
16	193.92	119.98	Shut-In(1)
46	922.96	119.30	End Shut-In(1)
46	201.22	118.86	Open To Flow (2)
91	531.57	119.56	Shut-In(2)
182	926.71	118.98	End Shut-In(2)
185	1332.17	118.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
980.00	Mud cut Water 8% M & 92% W	12.64
150.00	Heavy Mud cut Water TR Oil 32% M & 68% W	2.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Jackson #1

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Total Depth: 2734.00 ft (KB) (TVD)

1397.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 9124 Outside

Press@RunDepth: psig @ 2721.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.21

End Date:

2016.08.22

Last Calib.:

1899.12.30

Start Time: 23:36:05

End Time:

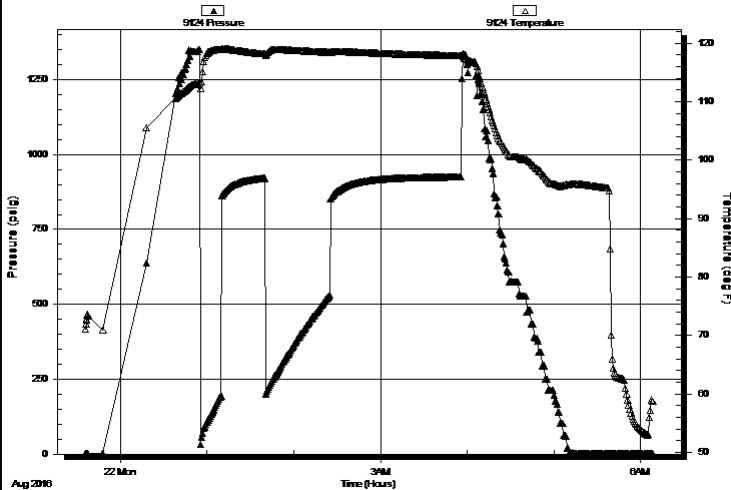
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Time On Btm:

Time Off Btm:

TEST COMMENT: IF - Weak blow building to strong blow (bottom of bucket) 4 minutes into initial flow period.
FF - Weak blow building to strong blow 3 minutes into final flow period.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
980.00	Mud cut Water 8% M & 92% W	12.64
150.00	Heavy Mud cut Water TR Oil 32% M & 68% W	2.10

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

FLUID SUMMARY

Stewart Producers

36/27S/8E Butler, KS

301 N. 27th Street

Jackson #1

P.O. Box 546

Job Ticket: 63080

DST#: 1

Mt Vernon, IL 62864

Test Start: 2016.08.21 @ 23:36:00

ATTN: Mark Thompson

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

58000 ppm

Viscosity: 42.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
980.00	Mud cut Water 8% M & 92% W	12.645
150.00	Heavy Mud cut Water TR Oil 32% M & 68% W	2.104

Total Length: 1130.00 ft

Total Volume: 14.749 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

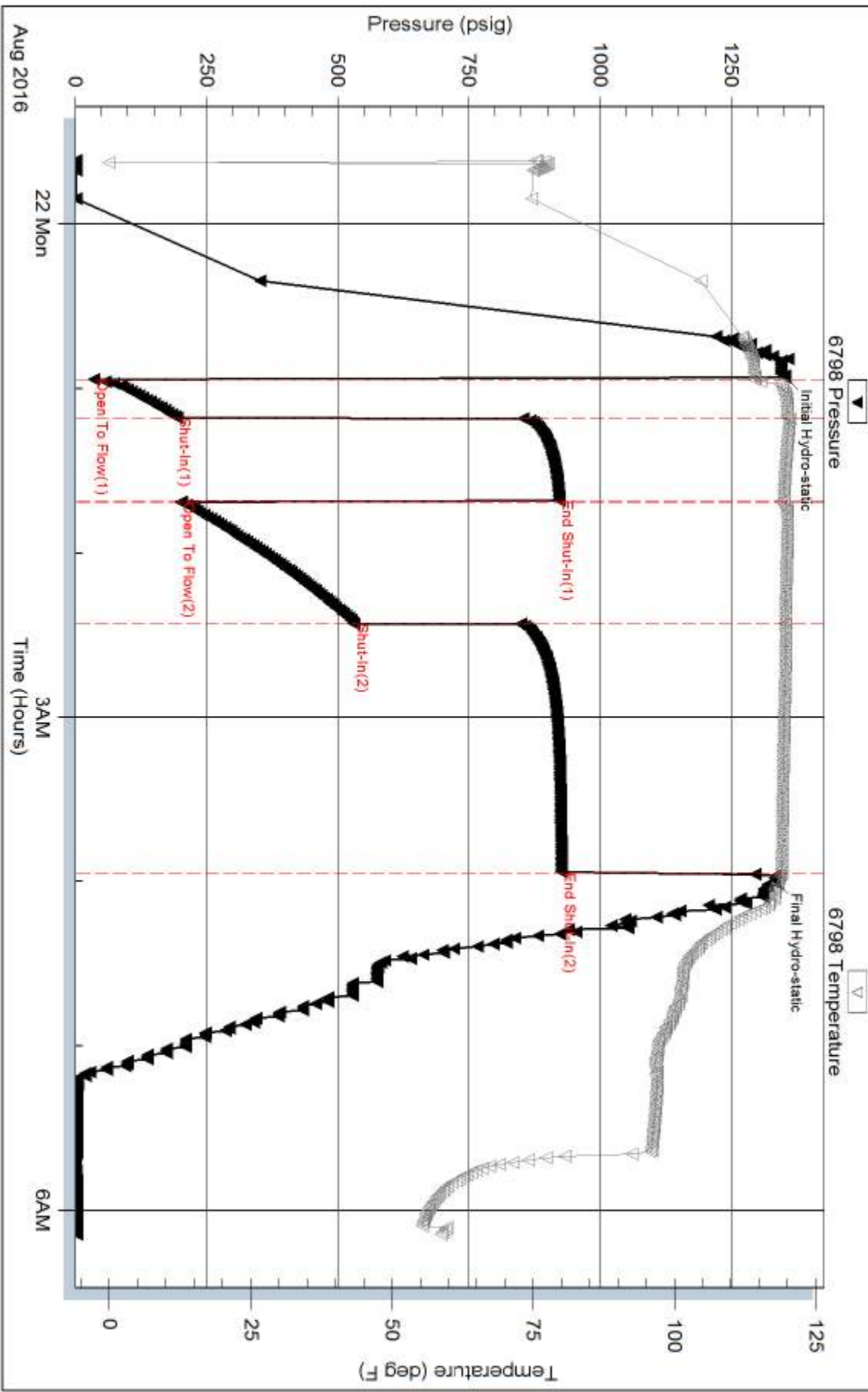
Inside

Stewart Producers

Jackson #1

DST Test Number: 1

Pressure vs. Time



Serial #: 9124

Outside Stew art Producers

Jackson #1

DST Test Number: 1

